



# भारत का राजपत्र

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नई दिल्ली, शनिवार, अप्रैल 26, 1969 (वैशाख 6, 1891)

No. 17]

NEW DELHI, SATURDAY, APRIL 26, 1969 (VAISAKHA 6, 1891)

इस भाग में बिना पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिवृत्तियाँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 26th April, 1969

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

5th April 1969

- 120725. Buckman Laboratories, Inc. Novel substituted acrylates and propionates and their use as pesticides.
- 120726. Merck & Co., Inc. Preparation of phosphonic acids and salts thereof.
- 120727. Merck & Co., Inc. Method of preparing phosphonic acid compounds.
- 120728. Merck & Co., Inc. Preparation of phosphonic acid compounds.
- 120729. Merck & Co., Inc. Preparation of phosphonic acid compounds.
- 120730. C. G. V. Berckheim. Improvements in or relating to electrical air-conditioning arrangements.
- 120731. Roussel-Uclaf. 2-oxa steroids, processes for their preparation and pharmaceutical compositions containing them, (15th August 1968).
- 120732. Ciba Limited. 3-hydroxycyclopentyl-alkanoic acids, process for their manufacture and pharmaceutical compositions containing same.
- 120733. Jaipur Metals & Electricals Ltd. Improvement in/relating to ferrite materials for use as permanent magnets and temperature compensators.
- 120734. Jaipur Metals & Electricals Ltd. Temperature compensators for use with permanent magnets.
- 120735. Jaipur Metals & Electricals Ltd. Permanent magnet manufactured from ferrite materials e.g. brake-magnet for use in watt-hour meters.

- 120736. Shrimati Vinodini Ravindrakumar Yadav. Hinges provided with a device to prevent striking of a shutter with a wall or wall jamb.
- 120737. Shri B. M. Malekar. Makrand plastic slate for imparting easy method of imparting education to the learner.
- 120738. R. Prakash. Improvements in or relating to portable display screens.
- 120739. (Mrs.) Vijayalakshmi Balasubramaniam. Improvements in or relating to fuse units and the like.
- 120740. Petrocarbon Developments Limited. Improvements in or relating to the production of propylene oxide. (5th April 1968).
- 120741. Petrocarbon Developments Limited. Improvements in or relating to the production of hydrogen peroxide. (5th April 1968).
- 120742. Petrocarbon Developments Limited. Improvements in or relating to the production of percarboxylic acids. (5th April 1968).
- 120743. Petrocarbon Developments Limited. Improvements in or relating to the production of epoxides, glycols and glycol esters. (5th April 1968).
- 120744. Glaxo Laboratories Limited. Improvements in or relating to purification methods. (21st March 1969).
- 120745. Glaxo Laboratories Limited. Improvements in or relating to purification methods. (5th April 1968).
- 120746. J. R. Geigy S. A. Improvements in or relating to a powder dispenser.

7th April 1969

- 120747. Electrical Machine Industries Private Limited. Improvements in or relating to arc welding transformer. [Addition to No. 98430].
- 120748. R. Satyanarayanaraju. Auto reaper.
- 120749. American Engineering Company Limited. Barbed wire machine.

120750. Westinghouse Electric Corporation. Phenol detection process. [Addition to No. 110283].
120751. V. Venugopalan. Improvements in or relating to a portable ladder.
120752. Texaco Development Corporation. Improvements in or relating to cracking.
120753. Veb Druckmaschinenwerk Planeta. A sheet feeding apparatus for machines. (23rd April 1968).
120754. Koppers Company, Inc. Explosive shattering method.
120755. Minnesota Mining and Manufacturing Company. Compounds useful for fungi and method therefor.
120756. Miles Laboratories, Inc. Biological specimen processing and embedding apparatus.
120757. Pirelli General Cable Works Limited. Improvements in or relating to electric cable sheaths. (17th April 1968).
120758. Imperial Smelting Corporation (Alloys) Limited. Improvements in or relating to the melting of metals. (9th April 1968).
120759. Aktiebolaget Bofors. Sensitivity Control device in receivers for optical signals.
120760. Aktiebolaget Bofors. Current feed device for electric lamps.
120761. Waldman Corporation. Dustproof watch crown.
120762. Allied Chemical Corporation. Crystallisation process.
120763. F. L. Smidth & Co., A/S. Measurement of rate of material flow. (9th April 1968).
120764. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Novel steroids and process for their manufacture.
120765. Ole-Bendt Rasmussen. Process and apparatus for producing a synthetic sheet material.
120766. Jaipur Metals & Electricals Ltd. Improvements in/or relating to a bearing.
120767. Jaipur Metals & Electricals Ltd. Improvements in a receiver magnet for a telephone.
120768. Chimitcheski Zavod. Optical bleacher belotex c-69.
120769. Monsanto Company. Insecticidal composition having aminophosphonates as the active ingredient. [Addition to No. 106748].
120770. Monsanto Company. Insecticidal composition having salicylanilides as the active ingredient. [Addition to No. 105403].
120771. Chemidus Plastics Limited. Improvements relating to tubing and piping of thermoplastics material.
120772. Ciba Limited. New quinoline derivatives and process for their manufacture.
120773. Nippon Kokan Kabushiki Kaisha. Corrosion resisting low alloy steel.
120774. N. V. Philips Gloeilampenfabrieken. Method of providing an anti-implosion clamping band around the envelope of a picture tube and picture tube manufactured by means of said method.
120775. N. V. Philips Gloeilampenfabrieken. Improvements in and relating to crystals in particular crystal whiskers and objects comprising such crystals.
- 8th April 1969
120776. Buckman Laboratories, Inc. Organic esters and their use as pesticides.
120777. Subodhkumar Ghose. An adjustable grip adaptor for handles of safety razors.
120778. Imperial Chemical Industries Limited. Colouring matters. (17th April 1968).
120779. Imperial Chemical Industries Limited. Chemical process. (17th April 1968).
120780. Imperial Chemical Industries Limited. Coloration process. (17th April 1968).
120781. Imperial Chemical Industries Limited. Coloration process. (17th April 1968).
120782. Imperial Chemical Industries Limited. Coloration process. (17th April 1968).
120783. Pfizer Corporation. Preparation of 2-vinyl-1, 4-dihydroquinazoline derivatives.
120784. English Steel Corporation Limited. Improvements in or relating to railway bogies. (10th April 1968).
120785. Aktiebolaget Bofors. Device for facilitating the adjustment of an optical system.
120786. Indian Oxygen Limited. Food storage. (9th April 1968).
120787. American Cyanamid Company. Processes for preparing 4-(lower alkoxy)-4'-trifluoromethylbiphenyls.
120788. Rohm and Haas Company. Rendering flatulence-producing saccharides innocuous.
120789. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of fast dyeings and prints on materials containing hydroxy groups.
120790. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for simultaneous thermofixation of dispersion and reactive dyestuffs on blends of synthetic and cellulose fibres.
120791. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for regenerating fluorination catalysts of the chromoxy-fluoride group.
120792. Merck & Co., Inc. Method of preparing substituted propylphosphonic acid esters.
120793. Merck & Co., Inc. Preparation of propenylphosphonic acid compounds.
120794. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the preparation of sulfonyl urea derivatives.
120795. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Benzodiazocines.
120796. K. Saito. Anticeptic treatment of chips or timber of rubber wood.
120797. Riv-Skf Officine Di Villar Perosa S.p.A. Improvements in or relating to cages for bearing rolling elements.
120798. Basic Ceramics Incorporated. Bonded refractory material. (6th November 1968).
120799. Egyesult Gyogyszer-Es Tapszergyar. Improvements in and relating to trichloroethylidene amine derivatives.
120800. Chinese Petroleum Corporation. Production of high protein compositions.
120801. C. S. MacJohn. A multi-purpose electrical device.
120802. Jaipur Metals & Electricals Ltd. A washing machine.
120803. Teljin Limited. Method of collection of as-produced synthetic fiber tow.
120804. Ciba Limited. New diarylamines and process for their manufacture.
120805. Ciba Limited. New aminoalkyl-spirocycloalkanes, process for their manufacture and compositions containing same.
120806. Ciba Limited. Process for the manufacture of cycloaliphatic halides.
120807. Matthews & Co., A vehicle theft-protection device.
120808. Heinrich Koppers Gesellschaft Mit Beschränkter Haftung. Process and apparatus for the thermal treatment of bulk material.
120809. Uguine Kuhlmann. Process for decontamination of radioactive wastes. (3rd December 1968).
120810. Societa Farmaceutici Italia. Process for the preparation of adriamycin and adriamycinone.
- 9th April 1969
120811. Shining Industries. Improved padlock.
120812. D. D. Agrawal and S. K. Soni. Direct evaporative air cooler Dea-Cooler.

120813. Schering Aktiengesellschaft. New 18-nor-14 $\beta$ -pregnano-[13, 14-f]-hexahydro-1, 4-oxazepines.
120814. Schering Aktiengesellschaft. Ethers of 1 $\alpha$ , 2 $\alpha$ -methylene-19-nor-testosterone and of its is-alkyl homologues.
120815. Imperial Chemical Industries Limited. Control of liquid dissemination. (11th April 1968).
120816. Diamond H. Controls Limited. Improvements in or relating to thermal control means. (12th December 1968).
120817. Monsanto Company. Liquid activated bonded polyamide articles.
120818. K. D. G. Instruments Limited. Improvements in and relating to winding apparatus. (11th April 1968).
120819. Albiswerk Zurich A.—G. Improvements in or relating to automatic frequency control circuits. (5th February 1969).
120820. American Flange & Manufacturing Co., Inc. Vent closure assembly.
120821. Siemens Aktiengesellschaft. Improvements in or relating to a combination of a shaft and a bearing arrangement.
120822. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble polyazodyestuffs and process for their manufacture.
120823. Merck & Co., Inc. Method for preparing phosphonic acids.
120824. Sandoz Ltd. Improvements in or relating to organic compounds. (11th April 1968).
120825. The Metal Box Company Limited. Improvements in closures for necked containers. (21st May 1968).
120826. W. E. Jensen. Traffic signal.
120827. Ciba Limited. Manufacture of a new progesterone derivative.
120828. Ciba Limited. Cosmetic preparations, containing a pyridine carboxylic acid alkylamide.
120829. Ciba Limited. New amines and process for their manufacture.
120830. Diana Rolling Shutters (Madras). Improvements in or relating to rolling shutters or grills.
120831. T. Onozawa. An instantly ignitable solid fuel and method of manufacturing the same.
120832. Toyo Boseki Kabushiki Kaisha. Production of linear polyesters.
120833. N. V. Philips Gloeilampenfabrieken. Method of preparing-ionone.
- 11th April 1969
120834. Sumitomo Chemical Co., Ltd., and Hokko Chemical Industry Co., Ltd., Method for preparing 3-(3', 5'-dichlorophenyl) oxazolidine-2, 4-dione derivatives.
120835. Srimati Bishnupriya Panda. An improvement in tenda or picota.
120836. Srimati Bishnupriya Panda. An improved multipurpose double treadle system.
120837. Srimati Bishnupriya Panda. An improved multipurpose pedaling system.
120838. Srimati Bishnupriya Panda. Multipurpose treadle devices for deriving power through pull of ropes.
120839. Srimati Bishnupriya Panda. Multipurpose wheel frame for deriving power from the rolling of the wheel or from a treadle operated while walking.
120840. K. S. Nayak. Improvements in or relating to burglar alarms.
120841. B. S. Kathirvel. Fixing mirror in a bureau capable of showing images both while the bureau is shut and when it is open.
120842. The Dunlop Company Limited. Medical dressings. (16th April 1968).
120843. The Dunlop Company Limited. Improvements in or relating to pneumatic tyres. (20th April 1968).
120844. The Goodyear Tire & Rubber Company. Improvements in dryer or heater.
120845. Imperial Chemical Industries Limited. Improved slurried blasting explosive. (22nd April 1968).
120846. Toyo Rayon Company Limited. An improved textile pin.
120847. Sna Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.p.A. Process and equipment for the continuous production of polyesters.
120848. Dr. T. Joseph. Method and device for fitting the optical centre of lense to the visual axis, in the manufacture of spectacles.
120849. Merck & Co., Inc. Method of preparing phosphonic acid derivatives.
120850. Sumitomo Chemical Co., Ltd. An explosive composition.
120851. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Therapeutic compositions.
120852. Institut Po Metaloznanie I tecnologia Na Metalite. A method for obtaining gasings from easily-evaporating or dis-associating materials and installation for its realization.
120853. Jaipur Metals & Electricals Ltd. An electronic anti-theft device.
120854. Johnson & Johnson. Adhesive tape.
120855. Vdo Tachometer Werke Adolf Schindling GMBH. Single phase motor with variable rpm proportional to the frequency of the feed voltage.
119268. Ante-dated to 17th July 1967 under Section 5 of the Act.
111353. The claim to priority date 11th July 1966 has been abandoned and the application dated as of 3rd July 1967, the date of filing in India.
112730. The claim to priority date 14th October 1966 has been abandoned and the application dated as of 9th October 1967, the date of filing in India.
112859. The claim to priority date 26th October 1966 has been abandoned and the application dated as of 21st October 1967, the date of filing in India.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to blew may at any time within four months of the date of the Gazette of India give notice to the Patent's office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawing, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

102664. Veb Sprengstoffwerk I. Improvements in or relating to primers for cartridges. (6th September 1965). Accepted on 7th April 1969.

*Comprising a casing having a closed bottom and an open top, a primer compound in the bottom portion of the said casing and a detonator cap of plastics material.*

105587. A. S. Gill. Improvement in or relating to safety air brake system for aircraft & the like. Accepted on 9th April 1969.

*Comprising at least two foldable cables fixed at strong points of the aircraft, each cable carrying at least three parachutes, the cables and the para-*

*chutes being enclosed in the cavities with doors provided at strong points.*

111252. General Electric Company. Improvements in or relating to method and apparatus for purging dip forming crucible environment. Accepted on 26th March 1969.
- An elongated tube, and means supplying an atmosphere of inert gas to fill the space above molten material, said as being supplied at a pressure sufficient to cause continuous flow whereby coolant is vaporized.*
111288. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for continuously heating, drying and heat-setting tows of filaments of synthetic polymers. Accepted on 27th March 1969.
- Passing the tows of filaments continuously through an electric high frequency field said tows being in the web and crimped state.*
111353. J. P. Stenson. Improved method of and means for cooling milk. Accepted on 9th April 1969.
- Feeding the milk immediately after milking into an elevated supply container, allowing the milk to descend by gravity from supply container into and through a cooling coil of tubing which has good heat conductivity.*
111370. Montecatini Edison S.p.A. Cryolitic vat for the production of aluminum by electrolysis. Accepted on 5th April 1969.
- Characterized in that it is made at least partially of substantially pure cryolite natural or synthetic.*
111482. Perrot-Regnerbau GmbH. & Co. Quick-acting pipe coupling. Accepted on 10th April 1969.
- Comprising a spherical or cap-shaped flange for the coupling on the one pipe, with the aid of a cranked locking lever, is pressed against a sealing ring which rests in the tulip-shaped socket end of the other pipe.*
111722. Veb Vereinigte Phosphatdungerwerke Bad Kostritz Witz Schwefelsaure Und phosphatdungermittel. A process for the production of phosphoric acid and calcium sulphate obtained therewith. (25th October 1966). Accepted on 9th April 1969.
- Characterized in that recrystallisation of the calcium sulphate dihydrate in the phosphoric acid of the digestion mash is carried out, while maintaining a phosphoric acid concentration range equivalent to 28-45% phosphorus pentoxide, at a temperature between 80 and 120°C, a sulphuric acid content of 1-4% being maintained in the mash.*
111833. Indian Oxygen Limited. Welding power sources. Accepted on 7th April 1969.
- Comprising central power source, welding torches, first rectifier, second rectifier, when leads and means for controlling current flow.*
111847. Council of Scientific and Industrial Research. A tractor driven mechanical salt harvester. Accepted on 2nd April 1969.
- A frame having a cutting blade, a rotor and a bucket conveyor mounted thereon, the cutting blade being rigidly fixed to the frame at its lowest portion, the rotor being powered by a bottom pulley attached to the frame through gearing, and the conveyor is hinged to and gets power from an upper shafting attached to the frame.*
111928. Council of Scientific and Industrial Research. Flotation cell for deinking of waste paper. Accepted on 7th April 1969.
- Comprising a tank, with a propellar assembly, stock feeding and an inlet arrangements characterised in that the propellar assembly consists of a shaft covered with a threaded casing, propellar connecting rod fitted with a perforated jacket, two propellar discs with a gap in between and fixed by radial spokes with bores, the discs being enclosed by the perforated jacket which is mounted at the bottom of the tank.*
112468. Bengal Coal Company Limited. Air lock device particularly for coal mine shafts. Accepted on 22nd March 1969.
- Including a pit top cover for the shaft and a box type body at the entrance of the shaft, the walls of the body extending below from the banking level into the shaft and the inside of the body being dimensioned to co-operate with the outside of the cage.*
112531. Celanese Corporation. Process of preparing aqueous polymer emulsions. Accepted on 27th March 1969.
- Comprising emulsion polymerising at least part of a monomer charge containing at least one polymerisable monoethylenically unsaturated monomer in presence of an emulsifying agent and a polymerisation catalyst.*
112553. The Jay Engineering Works Limited. Electric table or pedestal fan with means for oscillating same. Accepted on 28th March 1969.
- Comprising operating lever, notched plate, pivoting pin, bracket, locking pin.*
112562. Solvay & Cie. Process for the polymerization and the copolymerization of olefines. Accepted on 31st March 1969.
- By carrying out the reaction in the presence of a catalyst comprising an organometallic compound and a solid material obtained by reacting a liquid halogenated derivative of a transition metal and a solid support comprising an oxygenated compound of a divalent metal.*
112572. Toyoda Automatic Loom Works, Ltd., and Toyota Central Research and Development Laboratories, Inc. Carding machine. Accepted on 31st March 1969.
- Improvement comprises said cylinder having a reduced diameter from 400 mm to 1100 mm means for driving the cylinder with a surface speed less than 21m/Sec and with a centrifugal acceleration more than 75G where G is the constant or gravitational acceleration.*
112584. A. S. Patel, P. S. Patel, C. S. Patel, R. S. Patel and N. B. Patel Improvement in or relating to combine gripper and pin rack assembly for use in entering machines in textile industry. Accepted on 31st March 1969.
- Characterised in that the portion of the pin table adjacent the gripper table is heavier than the portion remote from the gripper table.*
112607. N. V. Philips Gloeilampenfabrieken. Semiconductor device comprising a field-effect transistor of the type having an insulated gate electrode and circuit arrangements comprising such a semiconductor device. Accepted on 3rd April 1969.
- Comprises a semiconductor body covered by an insulating layer, having a field effect transistor having an insulated gate electrode consisting of substrate region.*
112643. The English Electric Company Limited. Improvements in fuselinks. (14th October 1966). Accepted on 5th April 1969.
- Comprising a striker pin operable upon the rupture of the fusible element to eject a member to provide an indication of its operation.*
112688. The Firestone Tire & Rubber Company. Process of copolymerizing butadiene monomer with styrene, alpha-methyl styrene or styrene derivatives. Accepted on 5th April 1969.
- Comprises copolymerising 10-98 parts by weight of butadiene per 100 parts of monomers at a peak temperature in excess of 310°F.*
112690. The Firestone Tire & Rubber Company. Process of making homopolymers of 1, 3-butadiene. Accepted on 7th April 1969.
- Comprises polymerizing 1, 3-butadiene with a titanium based catalyst using a peak polymerization temperature of at least 212°F.*

112730. Gestetner Limited. Lithographic ink composition and its use. Accepted on 9th April 1969.

*Composition of (i) a greasy lithographic printing ink in (ii) hydrophilic phase comprising water, a liquid polyhydric alcohol or a mixture thereof and an agent such as to confer a shear-dependent viscosity.*

112757. British Uralite Limited. Production of shaped articles from fibrous materials. (24th October 1966). Accepted on 10th April 1969.

*Imparting an electrostatic charge to the fibres and binding material particles, positioning an earthed former to attract and collect fibres and particles on the former surface to form a layer and they are treated to bind the fibres together.*

112849. N. V. Philips' Gloeilampenfabrieken. A transistor and a circuit arrangement incorporating the same. (24th October 1966). Accepted on 5th April 1969.

*With the collector region or the base region having a diffused or epitaxially grown more highly doped part which contains a higher concentration of the conductivity type determining impurity element or elements characteristic of the conductivity type of the relevant region.*

112859. Indian Oxygen Limited. Oxy-fuel flame burner nozzles. Accepted on 7th April 1969.

*Comprising an inner longitudinally extending member co-operating with an outer member of annular cross-section, the two member defining between them a plurality of angularly spaced passages of constant depth which diverge longitudinally for the inlet end of the nozzle.*

113165. J. C. Ceccaldi. Improved process of solidifying soils. Accepted on 8th April 1969.

*Characterized in that with the binder is added in addition a finely granulated powder consisting of a product having a low coefficient of deformability and inert to both the binder and the soil.*

113195. Bengal Coal Company Limited. Keps for use in coal mines. Accepted on 22nd March 1969.

*Comprising a block with a seat mounted in a stand, the block being pivotally and retractably mounted in the stand and levers for withdrawing the keps away from the shaft when the cage is to be lowered.*

113258. General Electric Company. Semiconductor switching device. Accepted on 9th April 1969.

*Comprising a semiconductor body, with four layers, main electrode and controlled electrode and layer having main and auxiliary part.*

113282. British Resin Products Limited. Vinyl oxazoline copolymers. (20th December 1966). Accepted on 5th April 1969.

*Comprises copolymers formed by addition polymerising an  $\alpha$ -ethylenically unsaturated aliphatic carboxylic Acid, a copolymerizable unsaturated monomer free of carboxylic acid or anhydride group and a vinyl oxazoline compound.*

113340. D. D. Jones & A. T. B. Jones. Improvements in or relating to connecting and supporting devices for furniture and the like. (23rd November 1966). Accepted on 9th April 1969.

*Comprising a bolt-like member head portion screw threaded holes, screw threaded row.*

113473. Council of Scientific and Industrial Research. Improvements in or relating to copper electroplating on stainless steels. Accepted on 7th April 1969.

*From an electroplating bath consisting of cuprous ion .03M to 0.9M, hydrochloric acid 2N to 10N, glue or gelatin or gum arabic upto 5gm/litre.*

113550. Gosudarstvenny vsesojuzny institut po proektirovaniu predpriyatiy koksokhimicheskoi promyshlennosti. Method of loading charge into a horizontal coke oven. Accepted on 3rd April 1969.

*Loading charge materials into horizontal coke oven with the suction of gas from a coking chamber into a gas collector effected through risers, stand pipes located on the coke pusher side and coke discharge side when alternately charging the coking chambers.*

113677. Shell Internationale Research Maatschappij N. V. Process for preparing beta-lactone polyester fibres. (21st December 1966). Accepted on 3rd April 1969.

*Comprises heating extruded  $\beta$ -lactone starting to 120°C, quickly cooling the fibre below its crystallisation temperature and stretching 4.5 times.*

113700. Oldham & Son (India) Limited. Improvements in or relating to electric lighting and switching devices and the like. Accepted on 7th April 1969.

*Characterised in that a lamp circuit having a transistor and rectifying means is connected to a.c. supply such that when supply fails, a battery connected in the circuit renders said transistor conducting and the lamp glowing.*

113701. Oldham & Son (India) Limited. Improvements in or relating to inverters and the like. Accepted on 7th April 1969.

*Consisting of a circuit having a battery, a transformer and a first and second transistors which are connected through two resistor-capacitor parallel combinations such that to obtain an a.c. out put at the transformer secondary.*

113808. Metal Closures Limited. Method of sealing externally screw threaded containers. (17th January 1967). Accepted on 10th April 1969.

*Comprises placing over the mouth of the container a one-piece closure cape having a metal shell having a top, a skirt and a security band at the lower margin of the skirt for engagement with a co-operating formation on the container and a gasket adapted to seal off the mouth of the container and having a portion supported by the skirt to register with the cylindrical surface.*

113940. Universal Oil Products Company. Oxidation of sulfide compounds. Accepted on 9th April 1969.

*Comprises containing the solution of the compound with a solid oxidizing catalyst in a reaction zone, in the presence of oxygen and a sulphur solvent at oxidizing conditions, and effecting conversion of at least a portion of the sulphide compounds to elemental sulphur.*

113948. Jahar Lal Bose. Oxidation catalyst for water treatment. Accepted on 9th April 1969.

*Comprises washing sand with water, dried under sun and treated with aqueous solution of manganous sulfate containing nitric acid removing the excess of  $MnSO_4$  solution and then treated with hot potassium permanganate solution and then washed with water and dried under sun.*

114279. Newell Associates, Inc. Capstan construction and method of manufacture. Accepted on 7th April 1969.

*Having an annular rotating body adapted to be mounted for rotation, a periphery around the body adapted to engage and press against the edge of a roll to develop reactive forces in the periphery.*

114282. Kureha Kagaku Kogyo Kabushiki Kaisha. Device and method for separating mercury or mercury amalgam from contaminants. (27th December 1967). Accepted on 8th April 1969.

*Characterized by passing mercury or mercury amalgam, contaminants, and solution confluent and steadily through a first passageway and causing only the mercury or mercury amalgam to pass under and past a baffle into a second passageway.*

114422. Technograph Printed Circuits Limited. Improvements in and related to the production of printed circuits. (16th February 1967). Accepted on 7th April 1969.

*Comprises providing on a sheet-like member of insulating material forming a holes in said material and applying conductive material to said material and to said holes by currentless deposition and applying conductive material to said conductive material.*

114532. Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alk-3-en-1-ols. Accepted on 8th April 1969.

*Wherein an olefin is reacted at from 235 to 400°C with an aldehyde.*

114578. Newell Associates, Inc. Tape transport apparatus. Accepted on 7th April 1969.

*Having rotary drive means having a resilient peripheral surface disposed to contact and drive the tape to feed same to from a supply roll to a take-up roll and a motor therewith for driving said rotary drive means.*

114591. Brown Fintube Company. Apparatus and process for introducing addition agent into molten steel. Accepted on 9th April 1969.

*A gun propelling a stream of addition agent into freely falling stream of molten metal so that most of the particles penetrate it and controlling the discharge of particles from distance.*

114628. J. Martin. Improvements in vehicle ejection seats and mechanisms therefor. (8th March 1967). [Addition to No. 108517]. Accepted on 8th April 1969.

*Comprising an ejection gun for effecting initial ejection of the seat, one rocket motor, adjusting means coupled to said rocket motor pack and to said ejection seat.*

114670. The British Petroleum Company Limited. Improvements in or relating to the production of (A) micro-organisms and (B) a hydro-carbon product having a reduced straight chain hydrocarbon content. (22nd February 1967). Accepted on 9th April 1969.

*Comprises cultivating microorganisms in the presence of hydrocarbon feed stock in the presence of oxygen wherein ammonia and aqueous nutrient containing  $H_3PO_4$  are added.*

114709. Ciba Limited. Disazo pigments, process for their manufacture and material whenever pigmented with the same. Accepted on 9th April 1969.

*Process for manufacture of disazo pigments wherein a tetrazoamino compound of an arylene diamine is coupled in a molar ratio of 1 : 2 with a naphthol.*

114780. D. J. Stapleton. Audio Vision tape projector and programmed responder. (2nd March 1967). Accepted on 9th April 1969.

*Comprising a unit having or being adapted to receive a magnetic tape spool containing audio information a disc for carrying slides containing video information and means for rotating said disc simultaneously with said tape spool.*

114857. Super Oil Seals & Gaskets Limited. Improvements in sealing devices. (18th March 1967). Accepted on 8th April 1969.

*Comprises cup shaped metal member moulded in a cup shaped resilient member having an integrally formed annular diaphragm portion and carrying a sealing ring, the members have a central aperture through which a shaft can pass.*

116090. Peltzer & Fils S. A., Societe Anonyme. Weft yarn selector for circular loom. Accepted on 7th April 1969.

*Comprises substantially a feeding pendulum carrying staged thread guides, the angular position of the said pendulum being controlled by a programming chain.*

115094. Hydrocarbon Research, Inc. Improvements in or relating to the treatment of titanium dioxide ore and the recovery therefrom of a titanium dioxide concentrate. Accepted on 8th April 1969.

*Fluidding a bed of ore with high purity hydrogen at 1100—1400°F and a hydrogen partial pressure of 150 Psi, effecting 85% reduction only of iron ore and leaching the product with a dilute acid to remove reduced iron.*

115121. The Dunlop Company Limited. Improvements in and relating to adhesive compositions. (28th March 1967). Accepted on 5th April 1969.

*Comprises an admixture in aqueous dispersion of a phenolic resin, terpolymer of conjugated diene an unsaturated ketone and styrene.*

115155. M. V. Shiddhaye and S. M. Shiddhaye. An apparatus for removing fish scales. Accepted on 10th April 1969.

*Comprising a handy tool provided with one handle and at the other end suitably shaped hollow spoon like appendage.*

115160. Siemens Aktiengesellschaft. Improvements in or relating to electrical oscillators. (24th October 1967). Accepted on 9th April 1969.

*Comprising switching means and coupling means are provided between the oscillatory circuit and the supplementary circuit elements to convey voltage or current phase information.*

115711. Upton Electric Furnace Company, Inc. Work transporting apparatus. Accepted on 7th April 1969.

*Comprising a main arm structure horizontally pivoted between stations, a secondary arm structure carried by main arm structure, work support means carried by the secondary arm structure, drive means for rotating the main arm structure between the stations and means for simultaneously moving secondary arm structure.*

115813. Thomas Walker Limited. Improvements relating to machines for attaching pronged garment fasteners. Accepted on 7th April 1969.

*Comprises in combination a downwardly presented upper die, an opposed upwardly presented lower die, means to feed and load the back plates into the upper die, means to feed and load the pronged fastener members into the lower die.*

116089. Peltzer & Fils S. A., Societe Anonyme. Weft-pulling device for circular looms. Accepted on 8th April 1969.

*Comprising the shuttle or the weft-pulling device proper, an intermediate mechanism and a moving equipment wherein the contact surfaces between the driving members of the intermediate mechanism and the shuttle on the one hand and the surfaces rotating the said driving members of the intermediate mechanism on the other hand, are friction surfaces.*

116091. Peltzer & Fils S. A., Societe Anonyme. Straight selvage mechanism for circular looms. Accepted on 8th April 1969.

*Comprises a catching needle to which an uniform circular movement is imparted from the rotating equipment, the trajectory of the said needle intersecting that of each pick and a thread cutting device.*

117642. Aktiebolaget Kamyr. Device for cleaning of screens in cellulose digesters or similar. Accepted on 8th April 1969.

*A device for cleaning of screens inserted in containers for treatment, particularly digestion of finely comminuted Cellulosic material and straining off liquid from the cellulosic material.*

118454. Aktiebolaget Svenska Kullagerfabriken. Spiral groove bearing for carrying thrust loads or combined thrust and radial loads. Accepted on 2nd April 1969.

*A spiral groove bearing for carrying thrust loads or combined thrust and radial loads.*

119268. Siemens Aktiengesellschaft. An arrangement suitable for use as electric circuit components and to methods of producing them. [Divisional date 17th July 1967]. Accepted on 8th April 1969.

*The intermediate insulating member comprising a material that can in the formed housing and/or could in at least one stage of formation of the housing exist in a state in which it cannot be made to deform freely by a flowing action simply by heating it but can be made to deform by a flowing action by heating it under the action of external forces i.e. capillary or surface forces.*

#### Patents Scaled

105682. 105896. 105940. 105998. 106102. 106131. 106807.  
107084. 107093. 107105. 107240. 107280. 107315. 107634.  
107683. 107705. 107749. 107792. 107802. 107834. 107869.  
107968. 108093. 108200. 108547. 109257. 109449. 109636.  
109775. 109788. 109952. 109995. 110214. 110445. 111171.  
111332. 111407. 111951. 112401. 112406. 112475. 112529.  
113359.

#### Renewal Fees Paid

51263. 51717. 51812. 51878. 52324. 52567. 53596. 54080.  
57017. 57063. 57227. 57252. 57284. 57285. 57298. 57393.  
57432. 57433. 57882. 59453. 60631. 60657. 62504. 62651.  
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70143. 70144. 70145. 71435. 71473. 71486. 71509. 71575.  
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82309. 82432. 82505. 82526. 82893. 82903. 83864. 85035.  
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93044. 93238. 93306. 93320. 93325. 93346. 93358. 93366.  
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99293. 99322. 99363. 99384. 99408. 99498. 99607. 99616.  
99622. 99644. 99661. 99665. 99724. 99739. 99746. 99764.  
99820. 99822. 99865. 99878. 99934. 99940. 100036. 100190.  
100298. 100889. 101239. 101322. 101353. 102130. 103722.  
103965. 104170. 104413. 104702. 106039. 108434.

#### Restoration Proceedings

(1)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patent :—

No. 73823—Director, Indian Institute of Science.

The patent ceased on the 24th October 1967, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Section 2 of the Gazette of India, dated the 15th March 1969. Any person may give notice of opposition to the restoration by leaving an application on Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 31st May 1969.

(2)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patent :—

No. 87429—Rajinder Kumar Chopra.

The patent ceased on the 16th April 1968, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Section 2 of the Gazette of India. Any person may give notice of opposition to the restoration by leaving an application on Form 6 of the Indian Patents and Designs Rules, 1933 at the Patent Office, 214, Lower Circular Road, Calcutta-17, on or before the 31st May 1969.

(3)

An order has been made on the 13th March 1969 restoring the patent No. 67405 dated as of the 24th April 1958 granted to Tecalemit Limited for "improvement in reinforcement flexible teaching".

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 30, of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 4. No. 134563. V. P. Bottling Co., Brown Road, Ludhiana, Punjab State, Indian Partnership Concern. "Bottle", September 17, 1968.

Class 9. No. 134608. Sovrin Knit Works, Fategarh Road, Amritsar (Punjab), a registered firm of Indian Nationality, "Textile lace goods", October 7 1968.

Class 9. No. 134618. Sovrin Knit Works, Fategarh Road, Amritsar (Punjab), a registered firm of Indian Nationality, "Textile lace goods", October 9, 1968.

Class 13. Nos. 135303 to 135306. The Crown Spg. & Mfg. Co., Ltd., Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay-1, Maharashtra, Nationality—Indian Company, "Textile goods", February 17, 1969.

Class 13. Nos. 135358 to 135365. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay-13, Maharashtra, Nationality—Indian Company, "Textile goods", February 27, 1969.

Class 14. No. 135302. The Crown Spg. & Mfg. Co., Ltd., Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay-1, Maharashtra, Nationality—Indian Company, "Textile goods", February 17, 1969.

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Design No. 120304 Class—3.

S. VEDARAMAN

Controller General of Patents, Designs and Trade Marks

